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BULB ANNUAL

anic and Sykes' New Bulletin

Economic Collection

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* JUL 20 1923 *

U. S. Department of Agriculture

BULBS
and
PLANTS
for FALL
1923

Souvenirs
University
of Calif.



FALL PLANTED Spring Flowering Bulbs

FALL PLANTING—Because Hyacinths, Tulips, Narcissus, etc., do not bloom until Spring—many people forget to order and plant them, until Spring comes and their neighbor's flowers are a belated reminder. All bulbs for blooming indoors during the Winter, or for an outside show in the Spring, must be planted in the Fall—preferably in October.

OUT-DOOR PLANTING may be done any time from the last of September to the first of January, where the ground remains unfrozen, but, if possible, should be done in October or early November. Hyacinths, Tulips and Narcissus should be set, the top of bulb 4 inches beneath the surface; Lilies, 5 inches. Interval in Rows: Hyacinths, 7 inches; Tulips, 5 inches; Narcissus, 12 inches; Lilies, 14 inches.

SOIL—Any good, thoroughly drained soil will grow bulbs well. If it should be in a heavy clay, it would be best to add sand and well-rotted manure to make it loose. The surface of beds should be slightly raised at center so that water will run off quickly, as bulbs are liable to rot if water remains on them any length of time.

WINTER PROTECTION—After the ground is frozen, cover the beds with 4 to 6 inches of leaves if they can be had; if not, coarse manure will do nearly as well; if leaves are used, throw over a little brush or earth, to prevent blowing off. In the South, where the ground does not freeze more than a slight crust, they will require no protection.

REMOVAL OF BULBS AFTER FLOWERING—Tulip and Hyacinth bulbs may be, and often are, left undisturbed from year to year, but this course creates a noticeable deterioration in size and quality of bloom. To save danger or rotting during unusually hot weather, attacks of insects, etc., and to conserve the same degree of perfection attained during the blooming season just passed, our advice would be as follows:

About a month after they are through flowering, or when the tops appear yellow or decayed, they should be taken up and the tops cut off within an inch of the bulbs, but leave the roots on, spread them in dry, airy room for ten or twelve days to dry; after which wrap them in paper, or pack them in perfectly dry sand, and store in a dry, cool place until wanted for planting. If the beds in which they have been blooming are wanted for bedding plants, they may be taken up as soon as they are through flowering and heeled in the ground in some out of the way place with the tops on until they ripen, then treat them the same way as if they had ripened in the bed.

BULB PLANTING TABLE

Number of Bulbs Required For Planting Different Sized Beds of Tulips or Hyacinths.

Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

Diameter of Bed	Total Number of Bulbs Required		Number of Bulbs Required for Two Outer Circles Only	
	Tulips	Hyacinths	Tulips	Hyacinths
3 feet.....	64.....	36.....	50.....	31.....
4 feet.....	113.....	50.....	68.....	45.....
5 feet.....	177.....	80.....	87.....	57.....
6 feet.....	254.....	120.....	104.....	69.....
7 feet.....	346.....	160.....	122.....	82.....
8 feet.....	452.....	210.....	140.....	95.....
9 feet.....	573.....	270.....	160.....	110.....
10 feet.....	707.....	330.....	180.....	120.....

Note—Plant the Tulips 4 inches apart in the rows and rows 4 inches apart. Hyacinths 6 inches apart and rows 6 inches apart. Narcissus same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips.

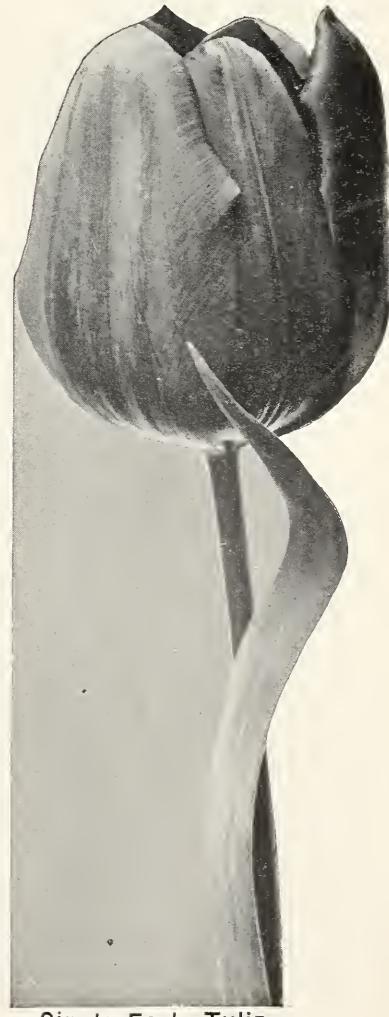
Single Early Tulips

Tulips, the most showy of our Spring flowers are of such a formal and definite habit and shape as to make them a welcome addition to any garden. They are also charming subjects for "spotting in" singly and in clumps among shrubbery and evergreens and along well-planted borders. The range of season is great from the single early Tulips to the Cottage and late Darwins, covering nearly two months. By a judicious selection of seasons and colors the amateur may have a most satisfactory successional display, one kind blending into the other.

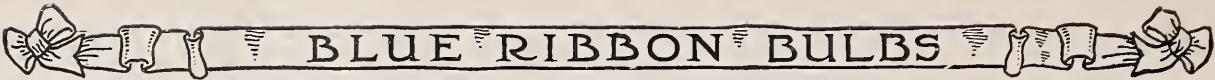
To help our customers in selecting Bulbs to bloom at the same time, we have numbered all single early and double early Tulips. All Bulbs marked with a "1", are the ones to bloom first, followed by "2" and so on. Numbers "1" and "2" may be planted together, but "3", always should be planted separate.

Tulips with "A", before the name may be forced in bloom indoors from January until Easter.

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|---|--|
| <p>2 ARTUS—(12)—A showy deep scarlet, very good for bedding. 70c per dozen; \$1.25 per 25; \$4.75 per 100.</p> <p>2a CHRYSOLRA—(15)—An extra fine golden yellow; good for all purposes. 75c per dozen; \$1.35 per 25; \$5.00 per 100.</p> <p>3a COELEUR CARDINAL—(13)—A large and very handsome flower; of a velvety brilliant crimson with a purple sheen on the outer side of the petal. \$1.10 per dozen; \$2.00 per 25; \$7.50 per 100.</p> <p>2a KEIZERSKROON—(16)—An old favorite, very early, very large; scarlet centered with a broad yellow margin. 85c per dozen; \$1.60 per 25; \$6.00 per 100.</p> <p>1a KING OF THE YELLOWS—Deep golden yellow. 70c per dozen; \$1.25 per 25; \$4.75 per 100.</p> <p>3 PINK BEAUTY—(12)—A flower of great beauty and great size; a very bright glowing rose flushed with white. \$1.40 per dozen; \$2.50 per 25; \$10.00 per 100.</p> <p>1a QUEEN OF NETHERLANDS—(14)—An immense shell pink flower in a class by itself; long stems; early and vigorous; there is nothing to equal it where delicate colors are preferred. 80c per dozen; \$1.50 per 25; \$5.50 per 100.</p> <p>2 RISING SUN—(15)—A golden yellow tulip of great beauty; the largest of all yellows and away ahead of them all; a remarkable variety. \$1.00 per dozen; \$1.90 per 25; \$7.00 per 100.</p> <p>3 WHITE SWAN—A large late white; very fine. 70c per dozen; \$1.25 per 25; \$4.75 per 100.</p> <p>2a YELLOW PRINCE—Golden yellow, sweet scented; good for forcing, but not for bedding. 80c per dozen; \$1.50 per 25; \$5.50 per 100.</p> <p>SINGLE EARLY TULIPS—Mixed.—An extra fine assortment of the best mixed tulips that are sent to this country. 50c per dozen; 90c per 25; \$3.25 per 100.</p> | <p>3 COTTAGE MAID—(12)—White flushed with delicate rose; very fine for bedding. 75c per dozen; \$1.35 per 25; \$5.00 per 100.</p> <p>1a CRIMSON BRILLIANT—(15)—Deep crimson scarlet; useful for early forcing; gives a fine long stemmed cut-flower. 80c per dozen; \$1.50 per 25; \$5.50 per 100.</p> <p>3 FLAMINGO—(13)—A big globular flower with crinkled petals; white tinged with deep rose. \$1.00 per dozen; \$1.85 per 25; \$7.00 per 100.</p> |
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Single Early Tulip



Double Early Tulips

3 ALBA MAXIMA—Large late white. 70c per dozen; \$1.25 per 25; \$4.75 per 100.

1a COURONNE d'OR—Golden yellow. 90c per dozen; \$1.60 per 25; \$6.00 per 100.

2a GLORIA SOLIS—Red, bordered with gold. 80c per dozen; \$1.50 per 25; \$5.50 per 100.

2a MURILLO—Very double, white shaded rose. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

2 RUBRA MAXIMA—Deep red. 80c per dozen; \$1.50 per 25; \$5.50 per 100.

DOUBLE EARLY TULIPS — Mixed—Fancy stock. 70c per dozen; \$1.35 per 25; \$5.00 per 100.

Breeder Tulips

Breeders are old Dutch tulips of a distinct type. The artistic possibilities of their peculiar bronze, copper and brown shades are bringing them into prominence again. A large flowered, long, strong stemmed variety and one of our latest bloomers.

APRICOT—(25)—Bronze shaded with apricot; large and very fine. \$1.10 per dozen; \$2.00 per 25; \$7.75 per 100.

BRONZE QUEEN—(26)—A soft buff color, bronze tinged within; large flower of sturdy habit. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

CARDINAL MANNING—(28)—A wonderful flower that you will not care to miss, a dull wine red, flushed with bronze; lasting and very tall. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

CHARLES DICKENS—(26)—A large egg-shaped flower; color, soft roses with white at the base. \$1.40 per dozen; \$2.65 per 25; \$10.25 per 100.

CHESTNUT—(La Nuit)—(24)—A very dark brown, cup-shaped flower, and very lasting. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

FEU ARDENT—(15)—An immense tulip; one of the finest of the breeders; deep red tinged with mahogany. \$1.30 per dozen; \$2.40 per 25; \$7.00 per 100.

FAIRY—(12)—An enormous globular flower; deep orange red, shaded with mahogany. \$1.50 per dozen; \$2.75 per 25; \$10.00 per 100.

GENERAL NEY—(25)—Old gold with olive base; glittering inside; fine large flower. 90c per dozen; \$1.70 per 25; \$6.50 per 100.

GOLDEN BRONZE—(15)—A very striking color, being a rich, golden bronze with old gold base. \$1.25 per dozen; \$2.25 per 25; \$7.50 per 100.

GODET PARFAIT—(30)—An immense deep purple flower of unusual lasting quality; very good for planting in shrubbery. \$1.25 per dozen; \$2.25 per 25; \$7.50 per 100.

PRINCE OF ORANGE—(23)—Orange scarlet, with lighter border; a large, striking flower. \$1.25 per dozen; \$2.00 per 25; \$7.50 per 100.

SABRINA—A glossy light bronze. 90c per dozen; \$1.70 per 25; \$6.50 per 100.

SUPERBA—(25)—Chestnut brown with a golden edge. \$1.10 per dozen; \$2.00 per 25; \$7.75 per 100.

YELLOW PERFECTION—(24)—A beautiful bronze yellow flower edged with golden yellow, and quite large. \$1.00 per dozen; \$1.85 per 25; \$7.00 per 100.

Cottage Garden Tulips

ELLEN WILLMONT—(18)—Primrose yellow; a long narrow flower with slightly reflexed petals, borne on tall strong stems. 85c per dozen; \$1.55 per 25; \$6.00 per 100.

PICOTEE—(18)—(Maiden Blush)—White margined with deep rose, which suffuses the whole flower as it ages. 75c per dozen; \$1.25 per 25; \$4.75 per 100.



Breeder Tulip

Cottage Garden Tulips—Continued

GESNERIANA LUTEA—(20)—Golden yellow; extra fine; a large tulip, on a long stem; very lasting. 75c per dozen; \$1.25 per 25; \$4.75 per 100.

INGLESCOMB YELLOW—(18)—A large globular flower of true Darwin shape, and sometimes called the "Yellow Darwin" on that account; deep golden yellow, and wonderfully lasting. 75c per dozen; \$1.25 per 25; \$4.75 per 100.

ISABELLA—(Shandon Bells, Blushing Bride)—Creamy white shaded carmine rose. 75c per dozen; \$1.25 per 25; \$4.75 per 100.

MACROSPILER—A very beautiful scarlet tulip. 75c per dozen; \$1.25 per 25; \$4.75 per 100.

MOONLIGHT—(21)—A long oval-shaped flower of unusual substance; soft yellow. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

ROYAL WHITE—The largest late white tulip; a pure white with a touch of primrose on the petals. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

SUPERFINE MIXED—An extra fancy mixture of many named varieties. 60c per dozen; \$1.10 per 25; \$4.00 per 100.

Giant Darwin Tulips (May Flowering)

The Pride of the Garden

These tulips have created a real sensation for the past few years, and one really does not wonder when seeing them in full bloom. They got their reputation through merit alone. They are most brilliant in color and of the greatest variety of shades. Each flower is extremely large, producing a gorgeous show in any garden, either in beds, borders, or among shrubbery. With the exception of a few varieties, they are not very satisfactory in-doors, and one must be an expert grower to flower them in the house at all, but they never fail out-doors.

ANTON ROOZEN—A vivid rose pink, extra large flower. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

ARIADNE—(28)—Crimson scarlet, large and lasting. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

BARON DE LA TONNAYE—(26)—Deep rose shading to light rose on the edges; very tall and very lasting; unexcelled for beds or shrubbery borders. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

CENTENAIRE—Fine, large violet rose with light margin. \$1.25 per dozen; \$2.40 per 25; \$9.00 per 100.

CLARA BUTT—Clear pink, flushed with salmon rose; forces well and is excellent for a cut flower. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

CORYDON—(22)—Heliotrope tinged with lilac. \$2.00 per dozen; \$3.50 per 25; \$12.00 per 100.

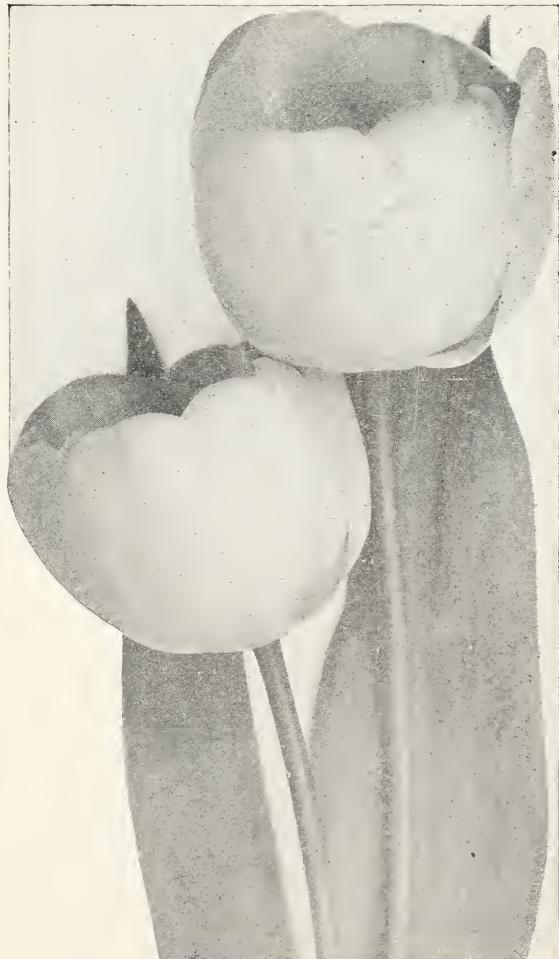
DAL ONGARO—(22)—Lavender-violet; a large, well shaped flower. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

DREAM—(28)—A beautiful lilac shade. 80c per dozen; \$1.45 per 25; \$5.50 per 100.

EDMEE—(Beauty)—(23)—Deep cherry rose, silvery pink edges; very beautiful. \$1.00 per dozen; \$1.85 per 25; \$7.00 per 100.

ELECTRA—A grayish white, flushed with rose on the center of the petals. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

ERGUSTE—(24)—Deep heliotrope flushed with silvery white. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.



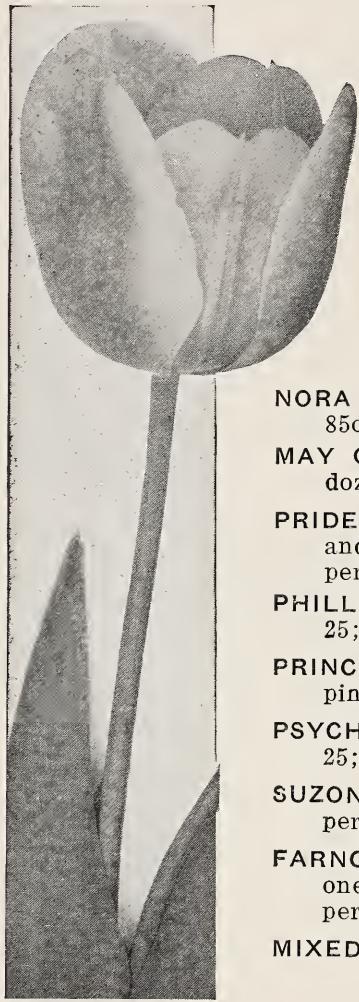
Clara Butt.

Darwin Tulips—Continued

EUTERPE—Mauve lilac, edge of petals soft lilac.
85c per dozen; \$1.60 per 25; \$6.00 per 100.

MARGARET—(Gretchen)—(20)—A beautiful globular flower, blush white. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

HARRY VEITCH—(26)—Brilliant blood red, fine for bedding. 75c per dozen; \$1.35 per 25; \$5.00 per 100.



Darwin Tulip

LOVELINESS—(24)—A soft carmine rose with lighter margin. 80c per dozen; \$1.45 per 25; \$5.50 per 100.

LANTERN—(20)—Soft lilac, shading to silvery white on the edge of the petals. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

L'INGENUE—(26)—A very beautiful rose pink, with a border that is almost white; very fine. 1.25 per dozen; \$2.25 per 25; \$7.75 per 100.

LA TULIP NOIRE—(22)—An almost black tulip, with a velvety sheen; very large. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

MRS. POTTER PALMER—(Fashion)—(20)—A deep purple. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

MADAME KRELAGE—(26)—A soft lilac rose with broad blush white margin; tall and lasting; a beautiful variety. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

MASSACHUSETTS—(24)—A vivid pink, white just at the base; large and tall. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

PAINTED LADY—(26)—Creamy white faintly tinged with heliotrope; a very stately and lasting flower on a tall stem. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

NORA WARE—A silvery lilac, shading darker toward the center of the petals. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

MAY QUEEN—(26)—Very large, long flower of soft lilac rose color. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

PRIDE OF HAARLEM—(24)—Carmine rose with a blue base; a very large flower; and one of the oldest varieties; very fine. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

PHILLIPPE d COMINES—(24)—A velvety dark purple. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

PRINCE OF NETHERLANDS—(30)—A giant Darwin; immense flowers of cerise pink. \$2.00 per dozen; \$3.25 per 25; \$11.00 per 100.

PSYCHE—(24)—A rich rose pink; large and very fine. 75c per dozen; \$1.35 per 25; \$5.00 per 100.

SUZON—(24)—Pale rose shading to blush. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

FARNCOMBE SANDERS—(25)—A rich, dark rosy red, with a clear white base; one of the largest of all and extra fine. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

MIXED DARWINS—60c per dozen; \$1.10 per 25; \$3.75 per 100.

Hyacinths

(Please note at single and dozen prices we send postpaid.)

Hyacinths may be grown in water, preferably using a regular hyacinth glass. When grown in pots, place one bulb in a four-inch pot, or three or four in a bulb pan, using any good garden soil, and placing drainage of some sort in the bottom of the pot. The bulbs should be planted even with the surface, thoroughly watered and the pots set away in a cool, dark place for six or eight weeks, watching that the ground does not get dry at any time.

GRAND MAITRE—Deep lavender; a very beautiful color and a very splendid spike. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

KING OF THE BLUES—Very dark blue; extra fine spike. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

LA GRANDESSE—The finest of all whites; a large spike and a beautiful bell. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

LADY DERBY—A beautiful bright rose pink, with a perfect spike on a strong stem. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

Hyacinths—Continued

LA VICTOIRE—The finest red hyacinth in existence; forms a long, heavy and beautifully shaped spike; brilliant red in the garden, but lighter if grown in the house. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

ORNAMENT ROSE—A soft flesh pink; very beautiful both as to color and to form. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

PERLE BRILLIANT—Sky blue; has a beautiful erect spike that is quite large. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

YELLOW HAMMER—Clear yellow; very fine spike. 20c each; \$2.00 per dozen; \$4.00 per 25; \$15.00 per 100.

FANCY UNNAMED HYACINTHS—15c each; \$1.25 per dozen; \$2.25 per 25; \$7.50 per 100.

SINGLE BEDDING HYACINTHS—Pink, red, light blue, dark blue, yellow. 10c each; \$1.00 per dozen; \$1.75 per 25; \$6.00 per 100.

DOUBLE BEDDING HYACINTHS—White, pink, light blue, dark blue, red, yellow. 15c each; \$1.15 per dozen; \$2.00 per 25; \$6.50 per 100.

Lilies



Speciosum Melpomene

absolutely useless to plant this variety in the spring. 40c each; \$4.00 per dozen.

LILY GIGANTEUM (Easter Lily)—This is one of the most reliable of the Easter lilies. It is less expensive than Lily Harrisii and the bulbs we furnish will be much larger, insuring better results both in pot culture or open ground. If planted in pots, place one bulb in a six-inch pot. Use good soil with a little sand in it. Pot the bulb so it is just even with the surface. Water well and put away in a cool, dark place for several weeks. When well rooted bring to the light and keep in a moderately warm room. Keep the soil moist and spray the plant often. Bulbs, 50c each; \$5.00 per dozen.

SPECIOSUM MELPOMENE—A Japanese lily of great beauty and always satisfactory. A deep pink, spotted with brown toward the center of the flowers; fine flowering bulbs. Bulbs, 50c each; \$5.00 per dozen.

FREESIAS: PURITY—35c per dozen; \$2.00 per 100.

CONVALLARIA MAJALIS (Lily of the Valley)—An old well known plant with sprays of drooping white wax-like fragrant bells and thriving in shady nooks and corners, completely covering the ground. We offer extra heavy large clumps for immediate effect. Clumps, 35c to 50c each.

CANDIDUM or MADONNA LILY—More largely planted than

any other kind. Produces large, pure flowers of delightful fragrance in June. Very hardy and will grow anywhere if given a little attention. It makes a leafy growth in the fall soon after planting, and should be planted in September. It is



Candidum Lilies



Paper White Narcissus, Not Hardy

WHITE PEARL—This is the pure white bunch flowered variety grown so often in bowls of pebbles and water. They may be flowered in about six weeks. Procure a glass bowl or any receptacle which will hold the bulbs, putting in the bottom about an inch of fine gravel or sand; then place the bulbs and put in enough pebbles or shells to steady them and fill up with water so that the bulbs are about two-thirds covered. Set away in a cool, dark place for about two weeks, and then bring them to the light. Keep near the light in a moderately warm room. If over 70 degrees the foliage will grow very rank and the flower stems will blight. 10c each; \$1.00 per dozen; \$7.00 per 100.

Narcissus and Daffodils

Large Trumpet Narcissus

GOLDEN SPUR—Pure golden yellow; very early, and a favorite for outdoors and forcing. \$1.00 per dozen; \$2.00 per 25; \$7.00 per 100.

EMPRESS—Pure white perianth with deep yellow trumpet. This variety is as strong a grower as Emperor, and is as highly recommended. Jumbo bulbs only. 10c each; \$1.00 per dozen; \$2.00 per 25; \$7.75 per 100.

EMPEROR—Large golden yellow trumpet, deep primrose perianth; the most popular variety. 10c each; \$1.00 per dozen; \$2.00 per 25; \$7.75 per 100.

TRUMPET MAJOR—Pure golden yellow; early and reliable. 85c per dozen; \$1.60 per 25; \$6.00 per 100.

VICTORIA—The standard bi-color, it holds the same place in its color as the Emperor. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

WILLIAM GOLDRING—A distinct type, called the "Swan's Neck" Daffodil because of its drooping flower; pure white and very dainty. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

Poeticus Narcissus

Varieties of this type always have a white perianth with very short flaring cups more or less colored with orange or scarlet.

ALMIRA—(King Edward the Seventh)—A vastly improved form of ornatus. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

Barrie

CONSPICUOUS—Large soft yellow perianth, short cup, edged with orange scarlet; fine for naturalizing. 85c per dozen; \$1.50 per 25; \$5.50 per 100.

FIREBRAND—Creamy white perianth, with intense fiery red cup, very fine. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

Jonquils

The true Jonquil is small, very early, fragrant and usually has three flowers to a stem. Each bulb produces several stems.

CAMPERNELLA REGULOSUS—A beautiful golden yellow, fine for naturalizing; the largest of the Jonquils. 85c per dozen; \$1.50 per 25; \$5.50 per 100.

Narcissus and Daffodils—Continued

Incomparable

QUEEN BESS—A pretty star-shaped flower; early a free bloomer and fine for cutting; perianth pure white, pale yellow flat cup. \$1.00 per dozen; \$1.75 per 25; \$6.50 per 100.

SIR WATKINS—A very large and vigorous flower, with fine blooming qualities; perianth, sulphur yellow; cup tinged with orange, round nose. \$1.00 per dozen; \$1.90 per 25; \$7.00 per 100.

STELLA SUPERBA—A very large flower of perfect star shape; perianth pale yellow, changing to white; cup yellow. \$1.00 per dozen; \$1.90 per 25; \$7.00 per 100.

Leedsi

CASSANDRA—Broad white perianth, with cup deeply rimmed with dark red; a tall vigorous grower and an extra fine variety. \$2.25 per dozen; \$4.00 per 25; \$15.00 per 100.

MRS. LANGTRY—Pure white perianth, and large white cup, edged with yellow; very fine for cutting and naturalizing. 85c per dozen; \$1.50 per 25; \$5.50 per 100.

POETICUS ORNATUS—A splendid variety, early and free flowering; white perianth, with yellow cup, edged with scarlet. 60c per dozen; \$1.15 per 25; \$4.00 per 100.

RECURVIS—(*Common Poeticus*)—Pure white perianth, with scarlet cup; very hardy; late. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

GLORY OF LISSE—A very large flower on tall stiff stems; perianth pure white, cup large, suffused with crimson; very late. \$1.00 per dozen; \$1.90 per 25; \$7.00 per 100.

WHITE LADY—Broad white perianth, with dainty soft lemon-yellow, beautifully crinkled cup. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

Poetaz

A new type—a hybrid between *Poeticus Ornatus* and *Polyanthus Narcissus*. It flowers in clusters and is very fine and hardy.

ELVIRA—A splendid variety, having two and three flowers to a stem, large, pure white blooms with yellow eye and of great substance. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

LAURENS KOSTER—This is considered the greatest advance in bunch flowered hardy narcissus, producing as many as twelve flowers to a stem; white with yellow eye. \$1.00 per dozen; \$2.00 per 25; \$7.00 per 100.

KLONDYKE—Pure yellow perianth, with deep, yellow cup; several flowers to a stem; \$1.50 per dozen; \$2.75 per 25; \$10.00 per 100.

TRIUMPH—A very large, fine flower; pure white perianth with deep yellow cup. \$1.00 per dozen; \$2.00 per 25; \$7.50 per 100.

Double Daffodils

(The double form of such types as Emperor)

VON ZION—(*Easter Flower*)—Pure golden yellow; very double. First size, \$1.00 per dozen; \$1.80 per 25; \$6.00 per 100.

Crocus

Our earliest spring flowers, suitable for beds, borders, or best of all, naturalized clumps in the grass. May be planted by driving a sharp stick into the sod and putting the bulbs down two or three inches. Fill with loose soil, but do not use manure. They do best in poor soil.

GIANT YELLOW; KATHLEEN PARLOW, CAESAR—Extra large bulbs. 5c each; 50c dozen; 85c per 25; \$3.00 per 100.

MIXED—Extra large bulbs. 4c each; 35c per dozen; 50c per 25; \$1.50 per 100; \$12.00 per 1,000.

The Louisville Nurseries

Dear Sirs:—

The tulips Mr. Zollinger put in for me last fall were beautiful this spring. The size of blooms and length of stems far surpassed any bulbs I have bought before, and the colors were most artistic.

Yours truly,

MRS. BLAKEMOORE WHEELER.

May 19, 1922.

My transplanting of your *Pride of Haarlem* bulbs were a wonderful success, having a very unusual length of stem with the flowers holding on longer than any tulip I have ever grown. The admiration of my friends and people passing by is certainly not only a credit to me but to you as well.

MRS. E. H. BESSIRE,
1564 Cherokee Road.

The Louisville Nurseries,
St. Matthews, Ky.

Gentlemen:—

The results obtained from the planting of bulbs purchased of you last fall were most satisfactory. The Van Waveren Giant Narcissus being particularly fine as were also the *Pride of Haarlem* and *Loveliness Tulips*.

Please enter my order as per inclosed memo, for additional bulbs for coming fall.

With thanks for your prompt and careful attention to my orders, I am,

Yours truly,

MRS. HENRY S. GRAY,
2401 Longest Avenue.

P. S.—You may enter my order for five dozen bulb varieties to be selected later.

Liberty Iris (Formerly German Iris)

This is one of the most beautiful of all hardy flowers and eventually will be found in every garden. It is noted for its marvellous range as well as harmonious inter-weaving of colors, for its long period of bloom and its extreme hardiness.

	Each	Per 10
Albert Victor—Lavender	\$0.25	\$2.00
Bronze Beauty—Sulphur bronze.....	.25	2.00
Dr. Bernice—Bronze and crimson.....	.25	2.00
Celeste — Lavender.....	.25	2.00
Darius Primrose—Yellow and lilac.....	.25	2.00
Florentine—Pale lavender .....	.25	2.00
Her Majesty—Pink .....	.50	4.00
Isolene—Mauve and orange.....	.50	4.00
Jacquesiana—Coppery crimson and maroon.....	.50	4.00
Lohengrin—Lavender and pink.....	.25	2.00
Mad. Chereau—White frilled, lavender border.....	.25	2.00
Mrs. Reuthe—White and blue.....	.50	4.00
Princess Victoria Louise—Sulphur yellow and plum .....	.25	2.00
Queen of May—Rosy lilac.....	.50	4.00
Rhein Nixe—White, violet blue.....	.50	4.00
Sans Souci—Yellow and brown.....	.25	2.00
Tamerlane—Violet and lavender.....	.50	4.00



Iris

Peonies

No flowers exceed the Peonies in popularity, and none are more easily grown. They are seldom attacked by insects or disease, and are perfectly hardy, requiring no covering in the severest weather. They thrive in all kinds of soil and flourish in a rich, deep loam.

WHITE	Div.	2-yr.	3-yr.	PINK	Div.	2-yr.	3-yr.
Avalanche	\$0.30	\$0.75	\$1.00	Albert Crousse	\$0.50	\$0.75	\$1.00
Baroness Schroeder .....	.60	.75	1.00	Delicatissima .....	.35	.40	.50
Duke of Wellington.....	.35	.40	.50	Edulis Superba .....	.25	.40	.50
Festiva Maxima .....	.40	.60	.75	Jeanne d'Arc .....	.25	.40	.50
Marie Lemoine .....	.50	.75	1.00	Lamartine .....	.75	1.00	1.25
Mons. Jules Elie.....	.50	.75	1.00	Mad. Emile Galle.....	.75	1.00	1.25
Modeste Guerin .....	.40	.60	.75	Richardson's Grandiflora .....	.50	.75	1.00
Mad. de Verneville.....	.25	.40	.50				
RED							
Delachei .....	.25	.40	.50	SULPHUR YELLOW			
Felix Crousse .....	.40	.60	.75	Duchess de Nemours.....	.25	.30	.50
Dark Red .....	.25	.40	.50	Golden Harvest .....	.25	.40	.50
Tenuifolia .....	.40	.60	.75	Joan of Arc.....	.25	.30	.50

WHAT SIZE TO PLANT—The rule of "the best is the cheapest" especially applies to Peonies, and to obtain the greatest success the first season, plant the largest plants we offer, as they are well worth the difference in price.

TIME TO PLANT—Plant in September to produce a good effect the first season and use heavy plants. The result will be astonishing.

HERBACEOUS PERENNIALS

A GARDEN of hardy perennial herbs is an important adjunct to the home and its enjoyment. These grand plants increase in size and beauty year by year, and unlike the tender bedding, burst into growth with the advent of Spring and welcome the return of the growing season with a wealth of flowers and foliage. The showy Peonies, Irises, Phloxes, Foxgloves and the like, add a charm and interest that should not be ignored. We offer a choice assortment of the best and showiest varieties that we confidently recommend. They are of easy culture and thrive in almost any good garden soil. It is, however, desirable to thoroughly prepare and fertilize the soil before planting, by deep spading and enriching, in order that a vigorous and luxuriant growth may be insured, for without these attributes the garden and its flowers will be lacking their essential qualities.

	Time of Bloom	Color	Height	Price	
				Each	pr. 10
Achillea Ptarmica —Milfoil. The Pearl.....	All Summer.....	White.....	2 ft.	\$0.25	\$2.00
Alyssum Saxatile Compactum —Golden Tuft.....	May.....	Yellow.....	1 ft.	.25	2.00
Amsonia Salicifolia —Amsonia.....	May.....	Pale-blue.....	2 ft.	.35	3.00
Anchusa Italica Dropmorei —Alkanet.....	June-July.....	Rich-blue.....	3-4ft.	.25	2.00
Anemone Japonica Alba —Single white Wind-flower.....	Sept.-Nov.....	White.....	2 ft.	.25	2.00
Anemone Queen Charlotte —Pink Windflower.....	Sept.-Nov.....	Pink.....	2 ft.	.25	2.00
Anemone Whirlwind —Double white Windflower.....	Sept.-Nov.....	White.....	2 ft.	.25	2.00
Anthemis Tinctoria —Chamomile.....	June-July.....	Yellow.....	1½-2 ft.	.25	2.00
Aquilegia Chrysanthia —Yellow Columbine.....	May-July.....	Yellow.....	2-2½ ft.	.25	2.00
Aquilegia Hybrida —Hybrid Columbine.....	April-May.....	All colors.....	2 ft.	.25	2.00
Aquilegia Nivea Grandiflora —White Columbine.....	April-June.....	White.....	2-3 ft.	.25	2.00
Arabis Alpina —Rock Cress.....	April-May.....	White.....	6 inch	.25	2.00
Asters Beauty of Colwall —Michaelmas Daisy.....	Aug.-Sept.....	Lavender.....	4 ft.	.25	2.00
Asters Climax	Aug.-Oct.....	Lavender-blue.....	4 ft.	.25	2.00
Asters Feltham	Aug.-Sept.....	Blue.....	2 ft.	.25	2.00
Asters Novae-Angliae —New England Aster.....	Aug.-Sept.....	Violet-purple.....	3-4 ft.	.25	2.00
Asters Tataricus	Oct.-Nov.....	Purple.....	5 ft.	.25	2.00
Asters Novi Belgii St. Egwin	Aug.-Sept.....	Rosy-pink.....	3-4 ft.	.25	2.00
Asclezia Tuberosa —Butterfly Weed.....	July-Aug.....	Orange-scarlet.....	2½ ft.	.25	2.00
Baptisia Australis —False Indigo.....	June-July.....	Dark-blue.....	2-3 ft.	.25	2.00
Bocconia Cordata —Plume Poppy.....	July-Aug.....	Creamy-white.....	6-8 ft.	.25	2.00
Boltonia Asteroides —False Chamomile.....	Aug.-Sept.....	White.....	4-5 ft.	.25	2.00
Boltonia Latisquama	Aug.-Sept.....	Lavender.....	4-5 ft.	.25	2.00
Caryopteris Mastacanthus —Blue Spiraea.....	Sept.-Oct.....	Blue.....	3 ft.	.35	3.00
Campanula Media —Canterbury-Bell.....	June-July.....	White, pink, blue..	2 ft.	.25	2.00
Centaurea Montana —Hardy-Corn Flower.....	June-Oct.....	Blue.....	1 ft.	.25	2.00
Hardy Chrysanthemums:					
Autumn Glow	Oct.-Nov.....	Rosy-crimson	3 ft.	.25	2.00
Eva.....	Oct.-Nov.....	Delicate-pink.....	3 ft.	.25	2.00
Gold Queen	Oct.-Nov.....	Yellow.....	3 ft.	.25	2.00
Julia.....	Oct.-Nov.....	Orange-scarlet.....	3 ft.	.25	2.00
Ladysmith. Single.....	Oct.-Nov.....	Lilac-pink.....	3 ft.	.25	2.00
Nellie Bly.....	Oct.-Nov.....	Pink.....	3 ft.	.25	2.00
Old Homestead.....	Oct.-Nov.....	Soft-pink.....	3 ft.	.25	2.00
Rosea	Oct.-Nov.....	Bright red.....	3 ft.	.25	2.00
Zenobia. Button.....	Oct.-Nov.....	Yellow.....	3 ft.	.25	2.00

HARDY PERENNIALS—Continued.	Time of Bloom	Color	Height	Price Each	pr. 10
Coreopsis Lanceolata —Coreopsis	June-Oct.	Golden yellow.....	2 ft. ....	.25	2.00
Delphinium Belladonna —Larkspur	June-Oct.	Turquoise-blue	3 ft. ....	.25	2.00
Delphinium Bellamosa —Larkspur	June-Oct.	Dark-blue	3 ft. ....	.25	2.00
Delphinium Chinese —Chinese Larkspur.....	June-Aug.	Blue..... .	1½ ft. ....	.25	2.00
Delphinium Gold Medal Hybrid	June-Oct.	Mixed..... .	3-4 ft. ....	.25	2.00
Dianthus Barbatus —Sweet William.....	May-July..... .	Mixed..... .	1-1½ ft. ....	.25	2.00
Dianthus Barbatus —Newport pink.....	June-Aug.	Pink..... .	1½ ft. ....	.25	2.00
Dianthus Latifolius Atrococcinia —Ever-blooming Sweet William.....	June-Sept.	Crimson..... .	1½ ft. ....	.25	2.00
Dianthus Plumarius —Hardy Pinks.....	May-July..... .	Mixed..... .	6 inch .....	.25	2.00
Dicentra Spectabilis —Bleeding Heart.....	April-May..... .	Pink..... .	1½-2 ft. ....	.75	7.00
Dictamus Fraxinella —Gas Plant.....	June-July..... .	White..... .	1½-2 ft. ....	.35	3.00
Digitalis Goxiniaeflora —Foxlove.....	June-July..... .	Mixed..... .	4-5 ft. ....	.25	2.00
Echinacea Purpurea —Purple Cone Flower.....	July-Oct.	Reddish-purple	3 ft. ....	.25	2.00
Eulalia Gracillima —Japan Rush. Ornamental Grass.....			5-6 ft. ....	.25	2.00
Eulalia Japonica Variegata —Variegated. Ornamental Grass.....			5-6 ft. ....	.25	2.00
Eulalia Zebrina —Zebra Grass.....			5-6 ft. ....	.25	2.00
Eupatorium Coelestium —Thorough Wort.....	Aug.-Oct.	Blue..... .	2 ft. ....	.25	2.00
Euphorbia Corollata —Flowering Spurge.....	June-Sept.	White..... .	1½-2 ft. ....	.25	2.00
Funkia Sub-Cordata —August Lily.....	Aug.-Sept.	White..... .	1½-2 ft. ....	.35	3.00
Gaillardia Grandiflora —Blanket Flower.....	June-Oct.	Yellow and Brown	1½ ft. ....	.25	2.00
Geum Atrosanguineum	All Summer....	Dark Crimson....	1½ ft. ....	.25	2.00
Geum Coccineum —Mrs. Bradshaw.....	All Summer....	Fiery-red..... .	18 in. ....	.25	2.00
Gypsophila Paniculata —Baby's Breath.....	July-Aug.	White..... .	2 ft. ....	.25	2.00
Helenium Superbum —Sneezewort.....	August..... .	Golden-yellow....	3-4 ft. ....	.25	2.00
Helenium Rubrum	Sept.	Terracotta..... .	3-4 ft. ....	.25	2.00
Helenium Riverton Gem	Aug.-Oct.	Old Gold..... .	2-3 ft. ....	.25	2.00
Helianthus Multiflorus Fl. Pl. —Sunflower.....	July-Aug.	Golden-yellow....	4-5 ft. ....	.25	2.00
Heliopsis Pitcheriana —Orange Sunflower.....	June-Aug.	Golden-yellow....	4-5 ft. ....	.25	2.00
Heliopsis Scabra Excelsa	July-Aug.	Bright yellow....	3-4 ft. ....	.25	2.00
Hemerocallis Flava —Yellow Day Lily.....	June..... .	Yellow..... .	1½-2 ft. ....	.25	2.00
Hemerocallis Dumortieri	June..... .	Yellow..... .	1½ ft. ....	.25	2.00
Hemerocallis Thunbergi	July-Aug.	Yellow	3 ft. ....	.25	2.00
Heuchera Brizoides —Alum Root.....	May-July..... .	Coral-red..... .	9 inch .....	.25	2.00
Hibiscus —Mallow Marvel.....	July-Sept.	Red, pink, white..	4-5 ft. ....	.50	4.50
Hollyhock	June-July..... .	Red, pink, yellow..	5-6 ft. ....	.25	2.00
Hollyhock	June-July..... .	Mixed..... .	5-6 ft. ....	.25	2.00
Iberis Sempervirens —Candytuft.....	April-May..... .	White..... .	½— ft. ....	.25	2.00
Lathryus Latifolia —Hardy Sweet Pea.....	June-Aug.	Pink or white..... .	..... .	.35	3.00
Lavandula Vera —Sweet Lavender.....	July-Aug.	Lavender..... .	2-3 ft. ....	.25	2.00
Liatris Pycnostachya —Gay Feather.....	July-Aug.	Reddish-violet....	3-4 ft. ....	.25	2.00

HARDY PERENNIALS—Continued.

	Time of Bloom	Color	Height	Price Each	pr. 10
Lobelia Cardinalis —Cardinal Flower	Aug.-Sept.....	Red.....	2-2½ ft.	.25	2.50
Lythrum Roseum —Loosestrife.....	July-Aug.....	Rose.....	3-4 ft.	.30	2.50
Matricaria —Feverfew.....	June-Oct.....	White.....	1½ ft.	.25	2.00
Monarda Didyma —Bergamot.....	July-Aug.....	Scarlet.....	2 ft.	.25	2.00
Myosotis Palustris —Forget-me-not.....	April-July.....	Blue.....	½ ft.	.25	2.00
Oenothera Speciosa —Evening Primrose.....	June-Aug.....	White.....	1-1½ ft.	.25	2.00
Papaver Orientalis —Oriental Poppy.					
Bracteatum Poppy.....	May-June.....	Deep Crimson.....	2-3 ft.	.30	2.50
Oriental Poppy.....	May-June.....	Orange-scarlet.....	2-3 ft.	.25	2.50
Apricot Queen.....	May-June.....	Apricot.....	2-3 ft.	.30	2.50
Mrs. Perry.....	May-June.....	Orange-Apricot.....	2-3 ft.	.30	2.50
Princess Viet. Louise.....	May-June.....	Salmon-scarlet.....	2-3 ft.	.30	2.50
Queen Alexandra.....	May-June.....	Rosy-salmon.....	2-3 ft.	.30	2.50
Papaver Nudicaule —Iceland Poppy.....	All Summer.....	Mixed.....	1 ft.	.25	2.00
Penstemon Torreyi —Beard Tongue.....	June-Aug.....	Scarlet.....	3-4 ft.	.25	2.00
Phlox Decussata —Athis.....	All Summer.....	Clear Salmon.....		.25	2.00
Anna Cook.....	All Summer.....	Flesh-pink.....		.25	2.00
Astrild.....	All Summer.....	Carmine .....		.25	2.00
Bridesmaid.....	All Summer.....	White Crimson-eye.....		.25	2.00
Champs Elysees.....	All Summer.....	Bright rose.....		.25	2.00
Goliath.....	All Summer.....	Bright Carmine.....		.25	2.00
Mme Paul Dutrie.....	All Summer.....	Pale pink.....		.25	2.00
Mrs. Chas. Door.....	All Summer.....	Lavender.....		.25	2.00
Mrs. Jenkins.....	All Summer.....	White.....		.25	2.00
Mrs. R. P. Struthers.....	All Summer.....	Rosy-red.....		.25	2.00
Pantheon.....	All Summer.....	Rose-pink.....		.25	2.00
Rynstrom.....	All Summer.....	Pink.....		.25	2.00
Special French.....	All Summer.....	Salmon-pink.....		.25	2.00
Physalis Franchettii —Chinese Lantern Plant....	All Winter.....	Scarlet fruits.....	2 ft.	.25	2.00
Physostegia Virginica —False Dragon-Head.....	July-Aug.....	Rosy-pink.....	2-2½ ft.	.25	2.00
Platycodon Grandiflorum —Chinese Bell Flower.....	June-Oct.....	Blue.....	1-2 ft.	.25	2.00
Plumbago Larpentae —Leadwort.....	Aug.-Oct.....	Deep-blue.....	6-8 inch	.25	2.00
Primula Veris —English Cowslip.....	April-May.....	Mixed.....	6-8 inch	.25	2.00
Pyrethrum Roseum —Colored Daisy.....	June-Sept.....	Single mixed.....	1-1½ ft.	.25	2.00
Pyrethrum Roseum Fl. Pl.—Double-colored Daisy.....	June-Sept.....	Double mixed.....	1-1½ ft.	.35	3.00
Pyrethrum Uliginosum —Oxeye Daisy.....	Aug.-Sept.....	White.....	2-2½ ft.	.25	2.00
Ranunculus Repens Fl. Pl.—Double Buttercup.....	May-June.....	Yellow.....	6-9 inch	.25	2.00
Rudbeckia Laciniata —Golden Glow.....	Aug.-Sept.....	Yellow.....	5-6 ft.	.25	2.00
Salvia Azurea Grandifl. —Blue Sage	Aug.-Sept.....	Light-blue.....	3 ft.	.35	3.00
Salvia Pitcheri	Sept-Oct.....	Dark-blue.....	3 ft.	.35	3.00
Sedum Acre —Stonecrop, golden Moss.....	June-July.....	Yellow.....	Creeping	.25	2.50
Spectabile.....	Aug.-Sept.....	Pink.....	1½ ft.	.25	2.50
Spectabile Atropurpurea.....	Aug.-Sept.....	Rosy-erimson.....	1½ ft.	.25	2.50
Stokesia Cyanea —Cornflower Aster.....	June-Sept.....	Lavender-blue.....	1 ft.	.25	2.50
Tradescantia Virginica —Spider Wort.....	May-Sept.....	Blue.....	1½ ft.	.25	2.50
Tritoma Pfitzerii —Red-hot Poker.....	July-Oct.....	Orange-scarlet.....	3 ft.	.35	3.00
Veronica Longifolia Subsessilis —Speedwell.....	July-Aug.....	Dark-blue.....	2-3 ft.	.25	2.50
Spicata.....	June-July.....	Light-blue.....	2 ft.	.25	2.50
Viola Odorata —Sweet Violet.....	April-May.....	Blue.....	½ ft.	.25	2.50
Viola Cornuta —Blue Perfection Tufted Pansy.....	May-July.....	Light-blue.....	½ ft.	.25	2.50
Golden Yellow.....	May-July.....	Yellow.....	½ ft.	.25	2.50
White Perfection	May-July.....	White.....	½ ft.	.25	2.50
George Wermig.....	May-Oct.....	Violet-blue.....	½ ft.	.25	2.50

Gardening is an art of peace and luxury. Bacon, writing in the time of Queen Elizabeth says, "Without it buildings and palaces are but gross handiwork." In his time, gardens were the privilege of few, but today they are attached to the least pretentious homes.

A garden not only serves as a setting for the home, but should be part of the home. It can be made a delightful retreat for many months of

the year, bringing you outdoors to linger in quietude amidst flowers and sunshine, where nature will hold you in the eloquence of her beauty.

Galloway pottery gives enduring charm to a garden, making it a delight to the eye at all seasons. The popular finish is the light stony gray, which is a neutral tone, harmonious in all surroundings. Red and buff and other colors can be made on order.

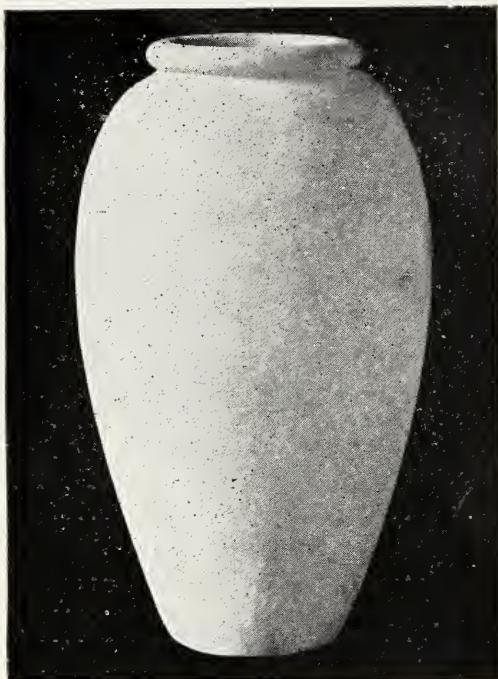


No. 650—Bird Font—\$38.50
37 in. high, 24 in. wide, 15 in. base



POTS, STYLE "ITALIAN"

	Height	Width	Base	Price		Height	Width	Base	Price
No. 49	9½ inches	13 inches	6 inches	\$ 2.00	No. 54	17 inches	27½ inches	16 inches	\$ 26.50
No. 51	11 inches	17 inches	9 inches	6.00	No. 55	18 inches	30½ inches	17½ inches	35.50
No. 52	12 inches	22 inches	11 inches	9.35	No. 56	22 inches	37 inches	20 inches	50.00
No. 53	15 inches	24 inches	14 inches	14.85	No. 57	24½ inches	43 inches	21 inches	110.00



No. 284—\$38.50

30 in. h., 17½ in. w., 10½ in. b., 7½ in. o.



No. 513—"Sheraton" Pot—\$11.00

14 in. h., 17 in. w., 11½ in. b.

No. 236—\$6.50

12½ in. h., 16½ in. w., 9 in. b.



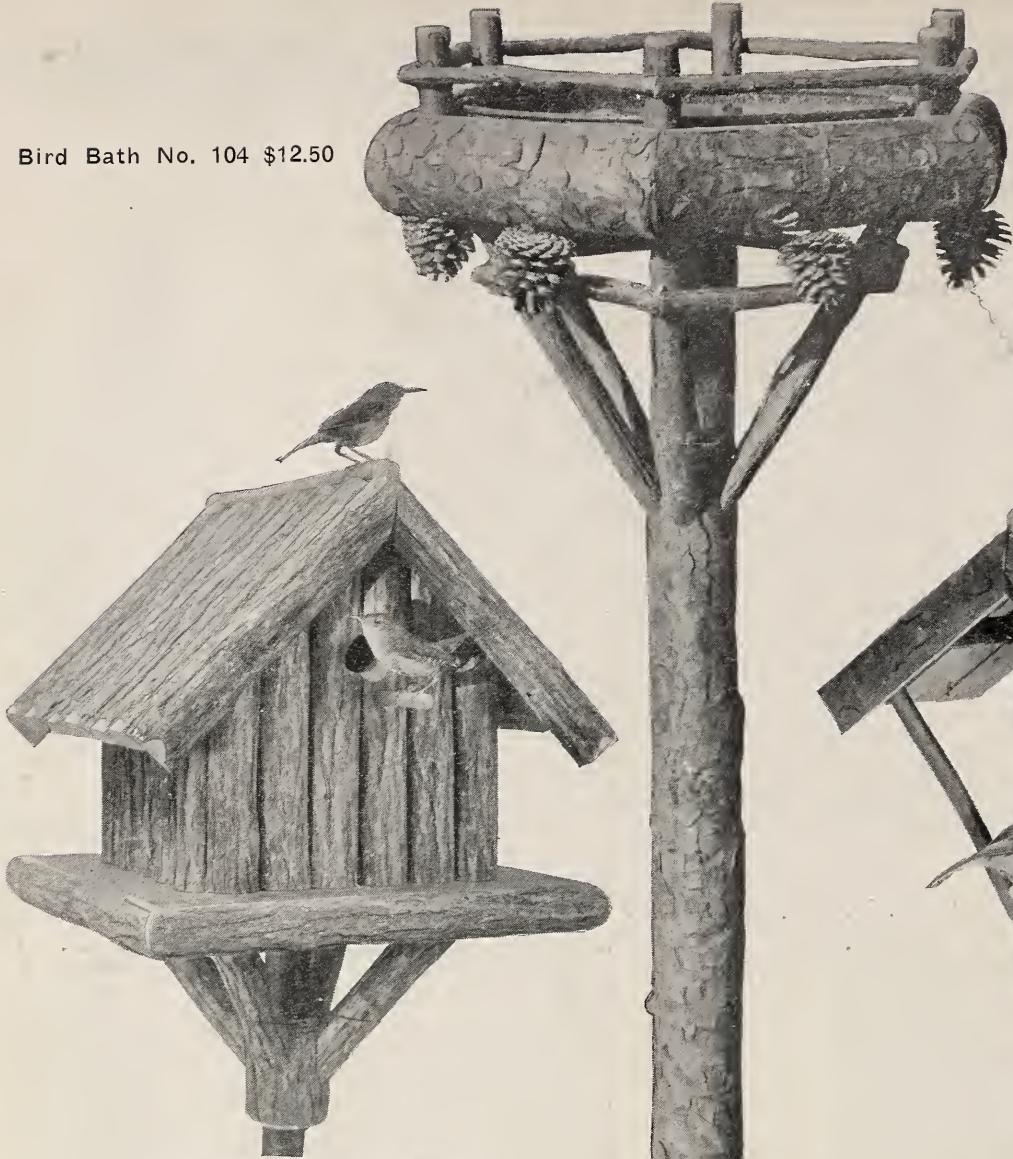
No. 551—\$11.00

12 in. h., 18 in. w.

No. 173—22 in. h., 38 in. w., 22 in. b.....\$100.00

No. 174—16½ in. h., 29 in. w., 16 in. b..... 35.25

Bird Bath No. 104 \$12.50



Bird Home No. 24 \$12.00



Bluebird Home No. 32 \$14.50
Wren Home No. 32 \$13.00

Winter Feeding Station No. 15 \$4.50



Blue Bird Home No. 61 \$5.50
Wren Home No. 61 \$5.00